

CLAIMS

1. A method of manufacturing a lens with a holding frame, the method comprising providing a mold including a lens-shaped cavity A and a holding-frame-shaped cavity B, and injecting a lens resin material including an alicyclic structure-containing polymer resin into the cavity A and injecting a holding frame resin material into the cavity B to achieve double injection.
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2. The method of manufacturing a lens with a holding frame according to claim 1, wherein a difference between molding shrinkage of the holding frame resin material and molding shrinkage of the lens resin material is 0 to 0.2%.
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3. The method of manufacturing a lens with a holding frame according to claim 1 or 2, wherein the lens resin material is injected into the cavity A after injecting the holding frame resin material into the cavity B.
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4. The method of manufacturing a lens with a holding frame according to any of claims 1 to 3, wherein a thermal deformation temperature of the holding frame resin material is equal to or higher than a thermal deformation temperature of the lens resin material.
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5. The method of manufacturing a lens with a holding frame according to any of claims 1 to 4, comprising using a mold of which gates for injecting the resin materials into the cavity A and the cavity B are pin-point gates.
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6. The method of manufacturing a lens with a holding frame according to any of claims 1 to 5, comprising using a mold including a tab ejector.

7. A lens with a holding frame, comprising a lens formed of an alicyclic structure-containing polymer resin, and a holding frame for holding the lens, the lens and the holding frame being integrally formed.

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8. The lens with a holding frame according to claim 7, comprising a protrusion provided on an inner circumferential surface of the holding frame, wherein the lens is secured by the protrusion on the inner circumferential surface.

10 9. The lens with a holding frame according to claim 8, wherein the protrusion on the inner circumferential surface of the holding frame is an undercut.

10 15 10. The lens with a holding frame according to claim 8 or 9, wherein the protrusion on the inner circumferential surface of the holding frame is a peak-shaped protrusion formed around the inner circumferential surface of the holding frame.